

BAB 5

KESIMPULAN

5.1 Kesimpulan

Peningkatan konsentrasi asam oleat sebagai enhancer dapat memberikan efek yang signifikan yaitu meningkatkan penetrasi obat ke dalam kulit. Mekanisme asam oleat dalam meningkatkan penetrasi absorpsi percutan berdasarkan kemampuannya mengubah fluiditas lipida dalam stratum korneum yang dapat meningkatkan permeabilitas lapisan stratum korneum.

Asam oleat dapat meningkatkan fluks pada pelepasan maupun penetrasi propranolol HCl pada *patch*. HPMC dapat menaikkan fluks yang disebabkan karena peningkatan konsentrasi yang digunakan sehingga sebagian air menguap dan hidrasi dari matriks, sehingga jumlah obat yang terlepas banyak.

5.2 Alur Penelitian selanjutnya

Ditinjau dari perbedaan yang besar antara jumlah konsentrasi propranolol yang terlepas dan yang terpenetrasi, disarankan untuk penelitian formulasi selanjutnya menggunakan *enhancer* dalam jumlah yang lebih besar sehingga dapat meningkatkan jumlah obat yang dipenetrasi.

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